

PHILIP MORRIS INCORPORATED
LAW DEPARTMENT MEMORANDUM
RICHMOND, VIRGINIA

TO: Mr. Frank Resnik DATE: 12 June 1979
FROM: S. Hutcheson
SUBJECT: OFFENLEGUNGSSCHRIFTS ASSIGNED TO HAG AKTIENGESELLSCHAFT & RELATED TO
DENICOTINIZATION OF TOBACCO - 2043537 AND 2142205

As a follow-up to your questions regarding the above named Offenlegungsschriften, I have located the following information:

- (1) Offens. 2043537 and its "Divisional" application, 2142205 have both apparently matured to Patent status in Germany according to information provided by Marian DeBardeleben of TIF.
- (2) The patents of item (1) are apparently assigned to Studien- gesellschaft Kohle rather than HAG Aktiengesellschaft as shown on the original Offenlegungsschriften.
- (3) Foreign equivalents of German Patent 2043537 have been published and/or patented in the following countries:

1) Italy 941431	1 March	1973**
2) Great Britain 1357645	26 June	1974*
3) Sweden 390789	9 June	1977*
4) French 2106252	28 April	1972*
5) Belgium 77/2099	Date Unknown**	
6) Netherlands 71/11776	Date Unknown**	
7) Japan 4707796	Date Unknown*	
8) East Germany	Date Unknown**	
9) Swiss 545598	15 February	1974*
10) USSR 598543	Date Unknown**	
11) Brazil 71/05740	10 April	1973**

This list is representative but may not be complete with respect to total foreign applications filed or issued.

***Patent**

****Status of Application unknown**

In addition to the above information, an article entitled "Fluid Extraction of Hops, Spices, and Tobacco with Supercritical Gases" is enclosed. The two authors are listed as inventors in the patent in question. Please see section 5, p 714 of the publication and note the underlined areas.

Source: <https://www.industrydocuments.ucsf.edu/docs/yjdj0000>

Mr. Frank Resnik

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The three inventors have numerous patents in the area of technology related to treatment of coffee, cocoa butter, hops, etc, for removal of caffeine, aroma fractions and the like, using supercritical carbon dioxide.

If you need additional information on these patents or related topics, please advise.

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Enclosure
cc: ~~V~~ K. Burns

Oliver

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